

METHOD FOR PREPARATION OF AN ANTHRAQUINONE COLORANT
COMPOSITION

ABSTRACT OF THE DISCLOSURE

[0033] Disclosed herein is a method for producing a 1-[4-(biphenyl-4-carbonyl)]phenylaminoanthraquinone colorant composition where the method comprises: reacting 4-halobenzoic acid with about 1 mole to about 4 moles of a halogenating agent per mole of said 4-halobenzoic acid to form a 4-halobenzoyl halide composition; reacting in the presence of a first catalyst composition, said 4-halobenzoyl halide composition with biphenyl, in a solvent, to form a 1-[4-(biphenyl-4-carbonyl)]halobenzene composition; and reacting in the presence of a second catalyst composition and an acid scavenger, said 1-[4-(4-phenylbenzoyl)]halobenzene composition with a 1-aminoanthraquinone, in a reaction medium comprising a dipolar aprotic solvent, to form said 1-[4-(biphenyl-4-carbonyl)]phenylaminoanthraquinone colorant composition.